# (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COPERATION TREATY (PCT)

### (19) World Intellectual Property Organization International Bureau





#### (43) International Publication Date 24 December 2003 (24.12.2003)

**PCT** 

## (10) International Publication Number WO 03/107603 A2

(51) International Patent Classification7:

1 (1

H04L 12/56

(21) International Application Number: PCT/IB03/02206

(22) International Filing Date:

10 June 2003 (10.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

102 26 304.3

13 June 2002 (13.06.2002) DE

- (71) Applicant (for DE only): PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]; Steindamm 94, 20099 Hamburg (DE).
- (71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DK, DM, DZ, EC, EE, ES, FI, FR, GB, GD, GE, GH, GM, GR, HR, HU, ID, IE, IL, IN, IS, IT, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MC, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW only): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FALCK, Thomas [DE/DE]; c/o Philips Intellectual Property & Standards

GmbH, Weisshausstr. 2, 52066 Aachen (DE). MAAB, Henning [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

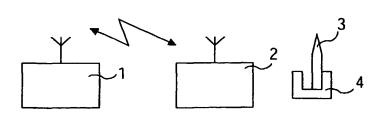
- (74) Agent: MEYER, Michael; Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TOKEN-CONTROLLED FORMATION OF WIRELESS WORK GROUPS



(57) Abstract: The invention relates to a method of operating a network of a plurality of communication apparatuses (1, 2, 5 to 8) and particularly to a method of operating an ad hoc network between Bluetooth apparatuses. A token (3, 9 to 12, 15), in which the apparatus address of the associated apparatus is stored, is assigned to a plurality of communication apparatuses (1, 2, 5 to 8). At

least one communication apparatus is used as a token read apparatus (4, 13 and 14) so as to read the apparatus address of a first communication apparatus (1), stored in the token (3, 9 to 12, 15). The token read apparatus (4, 13 and 14) builds up a connection with the first communication apparatus (1) by means of the apparatus address, and/or the apparatus address is transmitted by the token read apparatus (4, 13 and 14) to at least a second communication apparatus (2). The second communication apparatus (2) can then build up a connection with the first communication apparatus (1).

